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Filing Date . STATEMENT BY APPLICANT Jun KOYAMA et al. First Named Inventor (use as many sheets as necessary) Group Art Unit Examiner Name Attorney Docket Number 740756-2307 Sheet of

U.S. PATENT DOCUMENTS							
Examiner Initials	Cite No.1	U.S. Patent Document		Name of Patentee or Applicant of Cited	Date of Publication of Cited Document	Pages, Columns, Lines, Where Releval Passages or Relevant Figures Appear	
		Number	Kind Code <sup>2</sup> (if known)	Document	MM-DD-YYYY		
M		5,705,829		Miyanaga et al.	01/06/1998		
THE		6,118,502		Yamazaki et al.	09/12/2000		
79(		5,821,138		Yamazaki et al.	10/13/1998		

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141		5,534,884		Mase et al.	07/09/1996		
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Complete if Known 09/851,433 Application Number May 9, 2001 Filing Date Jun Koyama et al. First Named Inventor Technology Conter 2600 2673 Group Art Unit V. Kovalick Examiner Name

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				U.S. PATENT DOCUMEN	rs	
Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document  Number Kind Code	e²	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
1/1/		(if known)				
1/4/		5,043,714		Perlman	08/27/1991	
		5,130,833		Mase	07/14/1992	
		5,148,301		Sawatsubashi et al.	09/15/1992	
		5,168,270		Masumori et al.	12/01/1992	
		5,192,945		Kusada	03/09/1993	
		5,196,738		Takahara et al.	03/23/1993	
		5,200,847		Mawatari et al.	04/06/1993	
		5,206,749		Zavracky et al.	04/27/1993	
		5,261,156		Mase et al.	11/16/1993	
		5,317,236		Zavracky et al.	05/31/1994	
		5,376,561		Vu et al.	12/27/1994	
		5,457,482	i	Rhoden et al.	10/10/1995	
		5,545,577		Tada	08/13/1996	
		5,543,824		Priem et al.	08/06/1996	
1		5,552,618		Taniguchi et al.	09/03/1996	
		5,574,475		Callahan, Jr., et al.	11/12/1996	
		5,585,816		Scheffer et al.	12/17/1996	
		5,598,180	$\neg$	Suzuki et al.	01/28/1997	
<del></del>		5,643,826	T	Ohtani et al.	07/01/1997	
/		5,648,277		Zhang et al.	07/15/1997	
		5,654,811		Spitzer et al.	08/05/1997	
<u> </u>		5,710,612		Mase	01/20/1998	
		5,771,031		Kinoshita et al.	06/23/1998	
<del></del>		5,781,164		Jacobsen et al.	07/14/1998	
		5,801,674		Shimizu	09/01/1998	
/		5,834,327		Yamazaki et al.	11/10/1998	
<u> </u>	_	5,907,313		Kubota et al.	05/25/1999	
		5,923,962	$\neg$	Ohtani et al.	07/13/1999	
		5,949,397		Koyama et al.	09/07/1999	
<del>                                     </del>		6,025,901	$\neg \uparrow$	Adachi et al.	02/15/2000	
<del>                                     </del>		6,043,800		Spitzer et al.	03/28/2000	
	-	6,147,667	$\neg$	Yamazaki et al.	11/14/2000	
1		6,165,824		Takano et al.	12/26/2000	
1 1/1		6,362,866		Yamazaki et al.	03/26/2002	
CH	<del>                                     </del>	6,465,268		Hirakata et al.	10/15/2002	
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